

# Human il 18 Recombinant Protein



RPPB0620

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## Product Information    Protein Information

**Product SKU:**

RPPB0620

**Accession:**

Q14116

**Host:**

Escherichia Coli.

**Protein description:**

Interleukin-18 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 157 amino acids and having a molecular mass of 18.2 kDa. The IL-18 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

IGIF, IL-1g, IL-18, IL1F4, MGC12320, IFN-gamma-inducing factor, Interleukin-1 gamma, IL-1 gamma, Iboctadekin.

**Formulation:**

Lyophilized from a concentrated (1mg/ml) solution in PBS and DTT.

**Purity:**

Greater than 95.0% as determined by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Interleukin 18 in sterile 18MΩ-cm H<sub>2</sub>O not less than 200μg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized Interleukin 18 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL18 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Biological Activity:**

The ED<sub>50</sub> is 1.5-9 ng/mL and is measured by Interleukin 18 ability to induce IFN-γ secretion by KG-1 human acute myelogenous leukemia cells in the presence of TNF-alpha.